NSWC REPEAT PROGRAM OVERVIEW

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REPEAT

- REPEAT PROVIDES :
  - A CAPABILITY TO MONITOR AND TEST ALL CURRENT C4I SYSTEMS
  - A CAPABILITY TO CONDUCT STATISTICAL ANALYSIS ON DATA COLLECTED
  - A CAPABILITY TO STIMULATE C4I SYSTEMS WITH REAL OR SIMULATED DATA

REPEAT FUNCTIONS

- RECORDING & REPLAYING OPERATIONAL/EXERCISE DATA
- DATA REDUCTION AND PREPARING DATA FOR ANALYSIS INCLUDING CONVERSION OF DATA BETWEEN FORMATS
- ANALYSIS AND EVALUATION TO SUPPORT TESTING AND EXERCISES
- REPLAY AND SCENARIO GENERATION

REPEAT BACKGROUND

- 1985 -1990 INITIAL DEVELOPMENT OF REPEAT
- 1991-1995 ANALYSIS SUPPORT EMPHASIS
- 1996-1999 FULL UP PROGRAM, MESSAGE CREATION PROGRAMS, AND EXPANDED LINK DECODING
- 2000-2003 DEVELOPMENT OF REPEAT WINDOWS PROGRAMS

REPEAT SYSTEM

- REPEAT MMX SOFTWARE
  - WINDOWS 98, NT, 2000
  - REPEAT MMX CONSISTING OF 4+ INTEGRATED APPLICATION PROGRAMS WITH ON-LINE HELP FILES
- REPEAT CLASSIC (MS DOS BASED)
  - DOS
  - WINDOWS 95, **98**, ME, NT,**2000**
  - REPEAT SOFTWARE CONSISTING OF 60+ APPLICATION PROGRAMS

REPEAT STRENGTHS

- MATURITY
  - WIDELY USED AND DISTRIBUTED TO SUPPORT MILITARY C4I
- COMPATIBILITY
  - EASILY CONNECTED TO C4I ASYNCHRONOUS AND SOCKET CAPABLE SYSTEMS

RECORD/REPLAY CONCEPT

- MULTIPLE ASYNCHRONOUS LINES/SOCKETS OF TIME TAGGED DATA
- RECORDS BOTH DATA LINKS AND FORMATTED MESSAGES
- RE-CREATION OF PREVIOUS EVENTS
- INJECTION OF SYNTHETIC DATA TO C^4 PROCESSORS
- CAN CONTROL DATA FLOW IN REPLAY MODE

ANALYSIS CONCEPTS

- ANALYSIS SUPPORT FOR EXISTING C^4I SYSTEMS
- INTEGRATION OF NEW SENSOR SOURCES TO EXISTING SYSTEMS
- SUPPORT DEVELOPMENT OF NEW OR PROTOTYPE SYSTEMS
- SUPPORT OPERATIONAL TESTING
- SUPPORT TRAINING

ANALYSIS CAPABILITIES

- OPERATOR ORIENTED PROGRAMS FOR PREPARATIONS OF GRAPHS, TABLES AND GEOGRAPHIC PRESENTATIONS
  - TIMELINESS,COMPLETENESS
  - SYSTEM LOADING AND CIRCUIT UTILIZATION
  - POSITIONAL ACCURACY VS GROUND TRUTH
  - GEOGRAPHICAL SITUATION DISPLAYS

MAJOR REPEAT USERS

- MILITARY
  - OSD SPECIAL PROJECTS
  - FLEET AND NUMBERED FLEET COMMANDERS
  - PACOM, JFCOM, PACAF
  - SPAWAR, **NSWC**, NUWC, NAWC, NWAS
  - CARGRU'S, CRUDESGRU'S, SUBGRU'S
  - C2TIG HURLBURT AND AIR FORCE T&E
  - ARMY, NAVY,AIR FORCE TENCAP OFFICES
  - ARMY BATTLE LAB FORT GORDON
  - AUSCANNZUKUS NATIONS

RECENT DEVELOPMENT

- WINXR, WINEDIT, WINSOCKET, WINVIEWTDF
- JWID 03 INVOLVEMENT
- FMS TRAINING AND SUPPORT
- UPDATING SCENARIO GENERATOR

REPEAT HELP

- WEB SITE:
  https://repeat.spawar.navy.mil
- PHONE SUPPORT
  408-742-1578
- NORMAL SUPPORT HOURS M-F
  0800-1700 PST/PDT
- EMERGENCY SUPPORT
  408-771-4358